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JUKI Haruka TL18QVP Portable Quilting and Sewing Machine Instruction Manual

Model: TL18QVP | Brand: JUKI

1. INTRODUCTION

The JUKI Haruka TL18QVP is a single-needle, lock-stitch, portable sewing machine constructed of aluminum die-casting, designed to ensure industrial-quality sewing. This model is equipped with mechanisms to prevent uneven sewing on quilts and velvet, as well as stretched stitches on knit fabrics. The presser foot can float 0 to 2mm above the material, which is particularly useful for sewing over thick seams. A separate attachment mounting plate is included for installing fabric guides and other accessories, extending the life of the sewing machine by allowing replacement of damaged mounting holes.



Image: Front view of the JUKI Haruka TL18QVP Portable Quilting and Sewing Machine.

2. SETUP

2.1. Unpacking and Initial Inspection

Carefully remove the machine from its packaging. Ensure all included accessories, such as the foot pedal, knee-lift lever, and various presser feet, are present. Place the machine on a stable, level surface.



Image: Rear view of the JUKI Haruka TL18QVP, showing the spool holders and power input.

2.2. Threading the Machine

The machine features a clear threading path. Follow the numbered guides indicated on the machine for proper upper thread tension. Ensure the thread is seated correctly in all tension discs and guides to prevent skipped stitches or thread breakage.

2.3. Bobbin Winding and Insertion

The bobbin winder is conveniently located on the top of the machine. Place an empty bobbin onto the winder spindle and follow the winding instructions. Once wound, insert the bobbin into the bobbin case, which is accessed from underneath the needle plate. Ensure the bobbin thread is correctly routed through the tension spring in the bobbin case.



Image: Close-up view of the needle area and bobbin access panel on the JUKI Haruka TL18QVP.

3. OPERATING INSTRUCTIONS

3.1. Speed Control

Easily control your sewing speed from 200 to 1500 stitches per minute (SPM) using the adjustable slide control located on the front of the machine. This allows for precise speed management for various sewing tasks.

3.2. Automatic Thread Trimmer

The machine features an automatic thread trimmer for convenience. This function can be activated by pressing a dedicated button on the machine's front panel or by using the foot pedal, which includes a backward push function for trimming.

3.3. Presser Foot Lift and Pressure Adjustment

The presser foot can be raised and lowered using a knee-operated lever, providing hands-free control for maneuvering fabric. Presser foot pressure can be adjusted to accommodate various fabric thicknesses, with a floating mechanism allowing 0 to 2mm clearance above the material. This ensures smooth feeding and consistent stitch quality on diverse materials.



Image: Close-up of the presser foot and needle area, highlighting the clearance for thick fabrics.

3.4. Feed Dog Control

The feed dog can be raised and lowered by moving a dedicated lever. This feature is essential for performing free-motion quilting and free-hand embroidery, allowing you to move the fabric freely under the needle.

3.5. Needle Area Light

A switch in the needle area allows you to adjust the brightness of the built-in light between high, medium, low, and off settings, providing optimal visibility for your work.

3.6. Sub-Tension System

The integrated sub-tension mechanism ensures that stitches are sewn with balanced thread tension. This feature contributes to perfectly balanced threads with every stitch, regardless of the thread type used.



Image: Close-up of the main controls, including stitch length, tension dials, and thread cutter button.

4. MAINTENANCE

4.1. Oiling

Regular oiling is crucial for the longevity and smooth operation of your JUKI TL18QVP. Refer to the full user manual for specific oiling points and recommended frequency. Typically, a few drops of high-quality sewing machine oil are applied to designated points on the machine's top and under the needle plate.

4.2. Cleaning

Keep the needle plate area, bobbin case, and feed dogs free from lint and thread debris. Use a small brush or vacuum cleaner designed for sewing machines. Regular cleaning prevents buildup that can affect stitch quality and machine performance.

5. TROUBLESHOOTING

If you encounter issues with your JUKI Haruka TL18QVP, consider the following common troubleshooting steps:

- **Skipped Stitches:** Check if the needle is inserted correctly, not bent, and is the appropriate type and size for your fabric and thread. Re-thread the upper thread and bobbin.
- **Thread Breakage:** Ensure the machine is threaded correctly, tension settings are appropriate, and there are no burrs on the needle plate or bobbin case. Use good quality thread.
- **Uneven Stitches:** Verify that both upper and bobbin tensions are balanced. Adjust presser foot pressure for the fabric thickness.
- **Machine Jamming:** Remove the needle plate and bobbin case to clear any tangled threads or lint. Ensure the bobbin is wound evenly.

For more detailed troubleshooting guides and solutions, please consult the comprehensive user manual provided with your machine.

6. SPECIFICATIONS

- **Product Dimensions:** 14 x 25 x 18 inches (35.56 x 63.5 x 45.72 cm)
- **Item Weight:** 36 pounds (16.33 kg)
- **Model Number:** Haruka TL18QVP
- **Brand:** JUKI
- **Color:** White (with blue accents)
- **Sewing Speed:** 200 to 1500 SPM (Stitches Per Minute)
- **Presser Foot Lift:** Knee-operated, 0 to 2mm floating mechanism
- **Construction:** Aluminum die-casting
- **First Available:** December 22, 2020

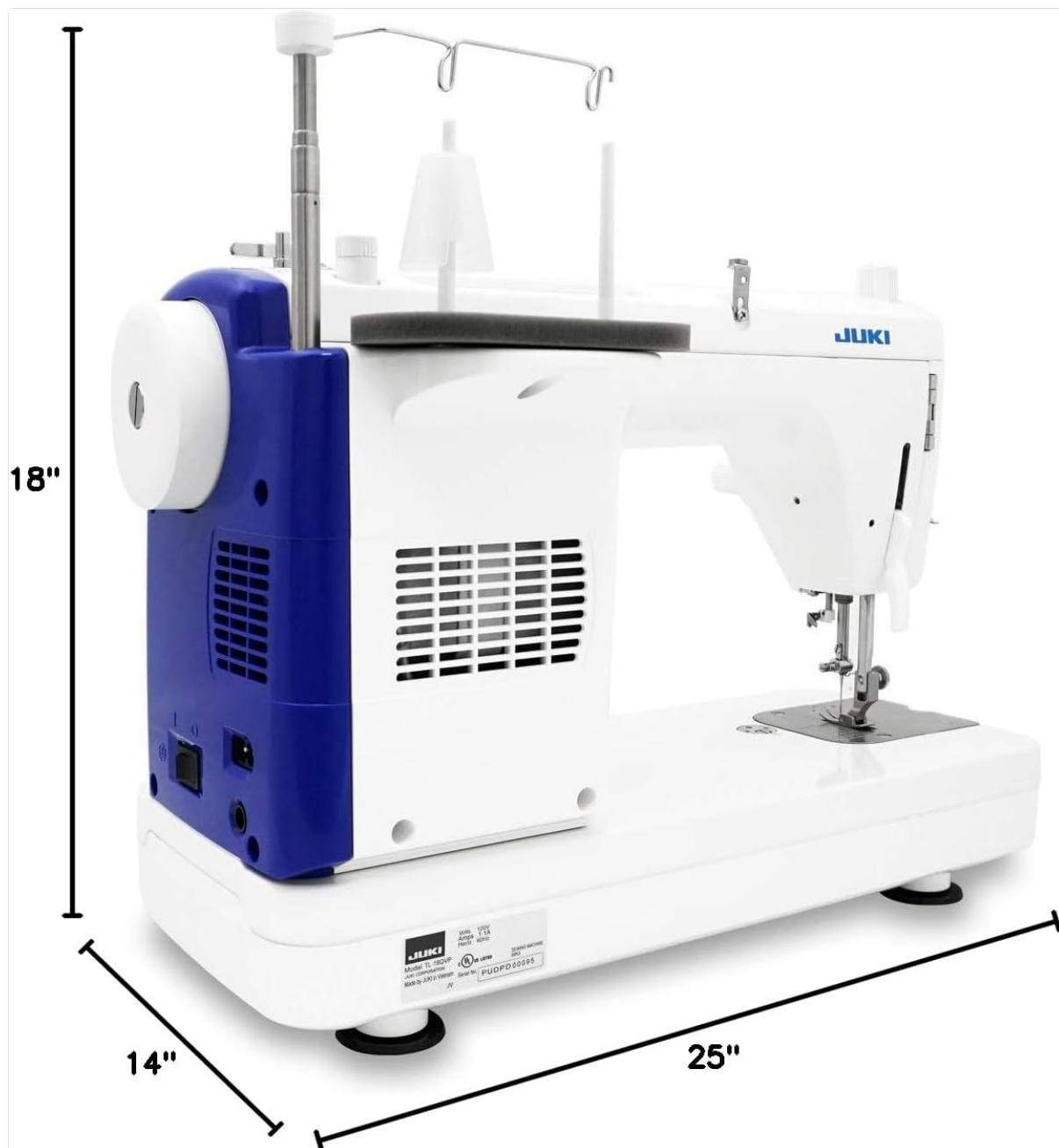


Image: JUKI Haruka TL18QVP with key dimensions (height, width, depth) labeled.

7. WARRANTY AND SUPPORT

For detailed warranty information, technical support, or service inquiries regarding your JUKI Haruka TL18QVP sewing machine, please refer to the official JUKI website or contact your authorized JUKI dealer. It is recommended to keep your purchase receipt and the machine's serial number readily available when seeking support.

